

line 24, replace "; in" with -- In--; and
after line 29, insert the following:

95 5 --While this invention has been described in connection with what
is presently considered to be the most practical and preferred
embodiment, it is to be understood that the invention is not limited to the
disclosed embodiment, but, on the contrary, is intended to cover various
modifications and equivalent arrangements included within the spirit and
scope of the appended claims.--.

IN THE DRAWINGS:

10 The Applicants have filed concurrently herewith the Request for
Approval of Drawing Changes in order to add descriptions to the blocks
within the single Figure in order to conform with U.S. Patent practice.

IN THE CLAIMS:

15 On page 8, line 1, replace "Patent Claims" with --What is claimed
is:

Please amend claims 1-7 as follows.

1 (Amended) An apparatus for immediately outputting the
response of a synchronous system [(1)] to an asynchronous event,
comprising:
20 [characterized by]
an advanced calculation [device (2) by means of which the] unit that
calculates responses of the synchronous system to possible
asynchronous events [can be calculated] in advance[,]; and [by] a
switching device [(3) by means of which the] that selectively passes on an
25 output signal from the advanced calculation device or [the] an output
signal from the synchronous system [can be passed on selectively].

2. (Amended) The apparatus as claimed in claim 1, wherein
[characterized in that]
the switching device [(3)] has at least two input connections [(E1, E2)],
one of [which is] the at least two input connections connected to [the] an
5 output connection of the synchronous system [(1)], and at least one of
[which] the at least two input connections is connected to the output
connection of the advanced calculation unit [device (2)].

3 (Amended) The apparatus as claimed in claim 2, wherein
[characterized in that]
10 the switching device [(3)] has a control connection [(C)], via which [it is
possible to define which of] the input signals [is] intended to be passed on
by the switching device are defined.

4. (Amended) The apparatus as claimed in [one of the preceding
claims] claim 1, wherein
15 [characterized in that]
[this] the apparatus is [designed] configured to output the output signal
from the advanced calculation unit [device (2)] in response to [the] an
occurrence of an asynchronous event.

5. (Amended) The apparatus as claimed in claim 1, wherein [of the
20 preceding claims characterized in that]
[this] the apparatus is [designed] configured to output the output signal
from the synchronous system [(1)] as soon as [this] the output signal from
the synchronous system represents [the] a response to [the] an event
[which] that was previously responded to by outputting the output signal
25 from the advanced calculation unit [device (2)].

6. (Amended) The apparatus as claimed in claim 1, wherein [one of the preceding claims, characterized in that] the synchronous system [(1)] is [designed] configured to output [the] a response to [the] an event requiring a response within a first period of time to provide [which had to be responded to, sufficiently early that] the advanced calculation device [(2)] still has] a sufficient amount of time after the first period of time to predict [the] a response of the synchronous system to a next event before [it] the next event occurs.

7. (Amended) The apparatus as claimed in claim 1, wherein [one of the preceding claims, characterized in that] the advanced calculation device [(2)] is [designed] configured to complete advanced calculations [that need to be carried out], before the occurrence of [the] an event for which [the] a response of the synchronous system [(1)] needs to be calculated in advance.

IN THE ABSTRACT

Delete original page 10 and replace the Abstract with Replacement Page 10 which we have provided on a separate sheet attached to the amendment.